

ORIGINAL

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION
STIPULATED AGREEMENT NO. 1135

707-0027

This Agreement made and entered into, by and between the State of Illinois acting by and through the Illinois Commerce Commission ("Commission"), the Union Pacific Railroad Company ("Company"), Lone Grove Road District ("Road District"), and the State of Illinois, Department of Transportation ("Department" or "IDOT").

WITNESSETH:

WHEREAS, it has come to the attention of the Commission through a request from the Department for assistance from the Grade Crossing Protection Fund into the matter of improving public safety at the Township Road ("TR") 511 highway-rail grade crossing of the Company's tracks near the Village of Saint Peter, in Fayette County, Illinois, designated as crossing AAR/DOT #167 906V, railroad milepost 234.67-CC; and

WHEREAS, proper investigation has been made of the circumstances surrounding the subject crossing by a representative of the Department and Commission's Transportation Division Railroad Section; and

WHEREAS, the physical aspects, including geometrics of the intersection, train movements, vehicular traffic volume, and sight distances and other pertinent data relating to the crossing have been obtained and shown on Exhibit A, attached to this Agreement; and

WHEREAS, the parties are mutually agreeable to accomplish proposed improvements to the crossing upon determination of the Commission by Order.

NOW, THEREFORE in consideration of the premises and of the mutual covenants and agreements as hereinafter contained the parties pray that the Commission enter an Order according to the provisions of Section 18c-7401 of the Illinois Commercial Transportation Law, 625 ILCS 5/18(c)-7401, requiring that certain improvements as hereinafter stated be made and that the cost for the proposed improvements be divided among the parties according to law and that in the interest of the traveling public the Grade Crossing Protection Fund ("GCPF") of the Motor Fuel Tax Law ("MFT") be required to bear a substantial portion of the cost; To Wit the parties agree as follows:

Section 1 All improvements encompassed by this Agreement shall be made in accordance with all applicable State laws, rules, standards, regulations and Orders and procedures in general.

Section 2 The parties are of the opinion that the following improvements in the interest of public safety at the aforesaid crossing should be:

- (a) Installation of automatic flashing light signals and gates with a bell, controlled by constant warning time circuitry, a new control cabinet, and with an event recorder system, by the Company.

DOCKETED

- (b) Installation of temporary STOP signs at the TR 511 crossing within 30 days of a Commission Order for the installation of new automatic warning devices, by the Company.
- (c) Reconstruction of the highway approaches to meet the minimum requirements of 92 Ill. Adm. Code 1535.204 and as further shown on Exhibit C, page 2, by the Road District.

Section 3 The Company has prepared detailed drawings, circuit plans, required specifications and a preliminary cost estimate to accomplish the proposed signal safety improvement, which may be required by Commission Order. The drawings, circuit plans, specifications, and cost estimate are attached and incorporated herein by reference as Exhibit B, pages 1-5.

The Road District has prepared preliminary cost estimate and plan and profile to accomplish the proposed roadway approach improvement, which may be required by Commission Order. The drawings, specifications, and cost estimate are attached and incorporated herein by reference as Exhibit C (page 1-4).

Section 4 The Company and Road District shall upon Order, according to the requirements contained therein, proceed toward the completion of the proposed improvements, accomplishing the work with their own forces or appropriate contracted services and agree that an appropriate time for the completion of the proposed signal and highway approach improvements should be twelve (12) months from the date of a Commission Order approving this Agreement. The temporary Stop signs shall be installed thirty (30) days from the date of this Order.

Section 5 The parties agree that an equitable division of cost for the proposed improvements is as follows:

COST DIVISION TABLE –

IMPROVEMENT	EST. COST	GCPF	ROAD DISTRICT	COMPANY	IDOT
Install Automatic Flashing Light Signals and Gates, controlled by CWT Circuitry	\$188,310	\$0	\$0	Remainder ³	100% \$188,310 ²
Modify Existing Highway Approaches	\$66,805	100% \$66,805 ¹	Remainder ⁵	\$0	\$0
Install Temporary STOP Signs, if ordered	No Estimate Required	\$0	\$0	100% ⁴	\$0
TOTALS	\$255,115	\$66,805	\$0	\$--	\$188,310

Notes:

¹ Total Grade Crossing Protection Fund (GCPF) assistance for the highway approach improvement not to exceed \$66,805; any improvement costs above the estimated amount of \$66,805 will be divided between the GCPF and the Road District in the same percentages noted above, upon submittal and review of evidence to support the additional cost and subject to approval by the Commission.

² The amount to be paid by the Department for the warning device installation shall not exceed \$188,310; any installation cost above \$188,310 shall be divided between the Department and Company in the same percentages noted above, upon submittal and review of evidence to support

the additional cost and subject to approval by the Commission.

³ Company responsible for all future operating and maintenance costs associated with the new automatic warning devices.

⁴ Company responsible for all future maintenance costs associated with the temporary STOP signs, if ordered.

⁵ Road District responsible for all future maintenance costs associated with the highway approaches.

Section 6 The Road District is not required to pay any portion of the cost for the proposed improvements.

Section 7 Special Provisions: The Company shall contact the Road District at least two weeks prior to the commencement of the required for the Road District to arrange for traffic control.

Since federal funding is being utilized for the warning device improvements at the subject crossing, all such work shall be covered by appropriate provisions of Title 23, Chapter I, Subchapter G, Part 646 of the Federal-Aid Policy Guide adopted Dec. 9, 1991.

Since the warning device improvement at the subject crossing will be performed by railroad crews, no flagging or contractor liability insurance will be required for said work.

Since the highway approach improvement at the subject crossing will be performed by the Road District, flagging and contractor liability insurance will be required for said work.

The Company and Road District shall complete and submit the Project Manager Information portion of the Project Status Report sheet, attached as Exhibits D and D-1, along with this executed Agreement.

The Company and Road District shall, at six (6) month intervals from the date of the Commission Order approving this Agreement, submit to the Director of Processing and Information, Transportation Bureau of the Commission, a Project Status Report, attached as Exhibits D and D-1, regarding the progress each has made toward completion of the work required by this Agreement. Each Project Status Report shall include the Commission Order's docket number, the Order date, the project completion date as noted in the Order, crossing information (inventory number and railroad milepost), type of improvement, and the name, title, mailing address, phone number, facsimile number, and electronic mailing address of the Company and Road District Project Manager.

All bills for work specified in Section 2 authorized for reimbursement from the Grade Crossing Protection Fund shall be submitted to the Region 4, District 7 Office of the Department at 400 West Wabash, Effingham, IL 62401-2699. The Department shall send a copy of all invoices to the Director of Processing and Information, Transportation Bureau of the Commission. The final bill for expenditures from each party shall be clearly marked "Final Bill". All bills shall be submitted no later than twelve (12) months from the completion date specified in the Commission Order approving this Agreement. The Department shall not obligate any funds for the cost of proposed improvements described in this Agreement without prior approval by the Commission. The Commission shall, at the end of the 12th month from the completion date specified in the Commission Order approving this Agreement or any Supplemental Order(s) issued for this project, notify the Department to de-obligate all residual funds accountable for this project. Notification may

be by regular mail, electronic mail, fax, or phone.

SECTION 8 Billing: For all work specified in Section 2 of this Agreement and authorized by an Order of the Commission, the Company and Road District shall provide sufficient documentation for all bills. The minimum documentation requirements are:

- a) Labor Charges (including additives) - Copies of employee work hours charged to the Company and Road District account code for the project.
- b) Equipment Rental - Copies of rental agreements for the equipment used, including the rental rate; number of hours the equipment was used and the Company and Road District account code for the project.
- c) Material - An itemized list of all materials purchased and installed at the crossing location. If materials purchased are installed at multiple crossing locations, a notation must be made to identify the crossing location.
- d) Engineering - Copies of employee work hours charged to the Company and Road District account code for the project.
- e) Supervision - Copies of employee work hours charged to the Company and Road District account code for the project.
- f) Incidental Charges - An itemized list of all incidental charges along with a written explanation of those charges.
- g) Service Dates - Invoice shall include the beginning and ending date of the work accomplished for the invoice.
- h) Final or Progressive - Each invoice shall be marked as a Progressive or a Final Invoice.
- i) Reference Numbers - Each invoice shall include the AAR/DOT number, the ICC Order number and the state job number when federal funds are involved.
- j) Locations - Each invoice shall show the location, with the street name and AAR/DOT crossing inventory number.

Section 9 This Agreement shall be binding upon the parties hereto, their successors or assigns. Upon execution of this Agreement by all parties, the Commission shall enter an appropriate Order, within 60 days accepting or rejecting such stipulation according to the provisions contained herein.


In Witness Whereof, the parties have caused this Agreement to be executed by their duly authorized officers, as of the dates indicated on their respective Execution Pages, attached hereto.

- i) ~~Reference Numbers~~ - Each invoice shall include the AAR/DOT number, the ICC Order number and the state job number when federal funds are involved.
- j) Locations - Each invoice shall show the location, with the street name and AAR/DOT crossing inventory number.

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In Witness Whereof, the parties have caused this Agreement to be executed by their duly authorized officers, as of the dates indicated on their respective Execution Pages, attached hereto.

Executed by the Commission this 2nd day of June 2006.



Michael E. Stead
Rail Safety Program Administrator

Attest:



Robert S. Berry
Rail Safety Specialist

Illinois Commerce Commission Stipulated Agreement No.1135, executed by Commission Staff on June 2, 2006, concerning improvements at the TR 511 highway-rail grade crossing of the Union Pacific Railroad Company's tracks near the Village of Saint Peter, Fayette County, Illinois, designated as crossing AAR/DOT #167 906V, railroad milepost 234.28 CC.

Executed by Lone Grove Road District this 23rd day of June 2006.

LONE GROVE ROAD DISTRICT

By: Robert Harpster

Attest:

Belva Schaefer

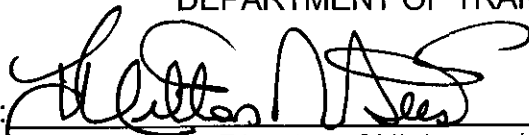
LONE GROVE TOWNSHIP
ROBERT HARPSTER, COMM.
RR 1 BOX 183
ST. PETER, IL 62880

RECEIVED
JUN 26 2006
Illinois Commerce Commission
RAIL SAFETY SECTION

Illinois Commerce Commission Stipulated Agreement No.1135, executed by Commission Staff on June 2, 2006, concerning improvements at the TR 511 highway-rail grade crossing of the Union Pacific Railroad Company's tracks near the Village of Saint Peter, Fayette County, Illinois, designated as crossing AAR/DOT 167 906V, milepost 234.28 CC.

Executed by the Department this 26th day of July 2006.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

By: 
Milton R. Sees, Director of Highways/Chief Engineer

Illinois Commerce Commission Stipulated Agreement No.1135, executed by Commission Staff on June 2, 2006, concerning improvements at the TR 511 highway-rail grade crossing of the Union Pacific Railroad Company's tracks near the Village of Saint Peter, Fayette County, Illinois, designated as crossing AAR/DOT #167 906V, railroad milepost 234.28 CC.

Executed by the Union Pacific Railroad Company this 2ND day of FEBRUARY 2007.

UNION PACIFIC RAILROAD COMPANY

By: Shuman J. Gee
AVP ENGINEERING

Approved and in Accord
By: J. Howell

Attest:

C. W. Saylor

**ILLINOIS COMMERCE COMMISSION
STIPULATED AGREEMENT
CROSSING DATA FORM**

GENERAL INFORMATION: See Location Sketch

RAILROAD	Union Pacific Railroad Company
USDOT#, MILEPOST	234.28 CC
STREET, CITY, COUNTY	TR 511, near Saint Peter, Fayette County
JURISDICTION (RDWY)	Lone Grove Road District
LOCATION	Rural/Residential
STREET SURFACE	Oil and Chip, 12 feet, Good

CROSSING DATA: See Location Sketch for roadway profile and track centers

TRACK (W-E or N-S)	SURFACE TYPE	SURFACE WIDTH	SURFACE CONDITION
Main, N/S	Timber	25 feet	Good
Siding, N/S	Timber	25 feet	Good

ROADWAY DATA: See Location Sketch

INTERSECTING ROADS:	None
TRAFFIC CONTROL	None
ADT & SPEED	25 @ 55 MPH (10% Trucks)
TRAFFIC TYPE	Passenger, School Busses, Hazardous Materials
ADVANCE WARNING	Yes
PAVEMENT MARKING	No

RAILROAD DATA: See Location Sketch

FREIGHT TRAFFIC	15 @ 60 MPH, Day & Night
PASSENGER TRAFFIC	None
WARNING DEVICES	Standard crossbuck signs

NOTES: The proposed improvements to the TR 511 crossing, as outlined in Section 2 of the Agreement, are being funded by both the Illinois Department of Transportation and the Illinois Commerce Commission.

VISIBILITY STUDY: See Location Sketch

Train Speed		60 MPH
Roadway Speed		55 MPH
Required Stopping Sight Distance (SSD)		
Along Roadway		520 FEET
Along Tracks		647 FEET
Required Clearing Sight Distance (CSD) (Along Tracks)		1,441 FEET

Distances calculated per American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Streets, 2001, Fourth Edition.

QUADRANT	CSD (FT)	OBSTRUCTION	SSD (FT)	OBSTRUCTION
NE	•		*	
NW	*		*	
SE	*		*	
SW	*		*	

*Note: The installation of automatic flashing light signals and gates (AFLS&G) eliminates the need to satisfy minimum Site Distance criteria.

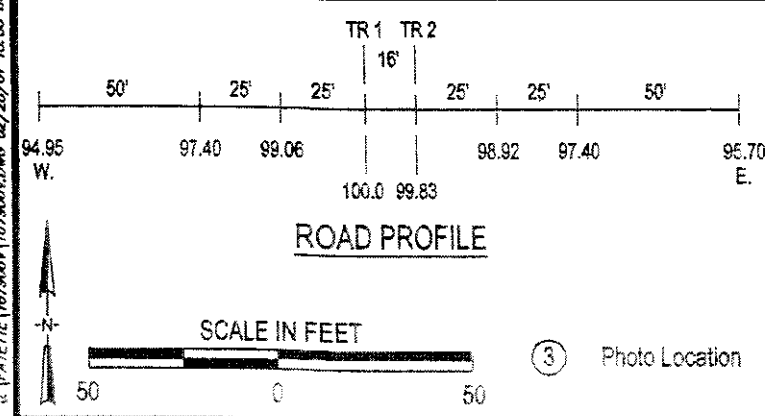
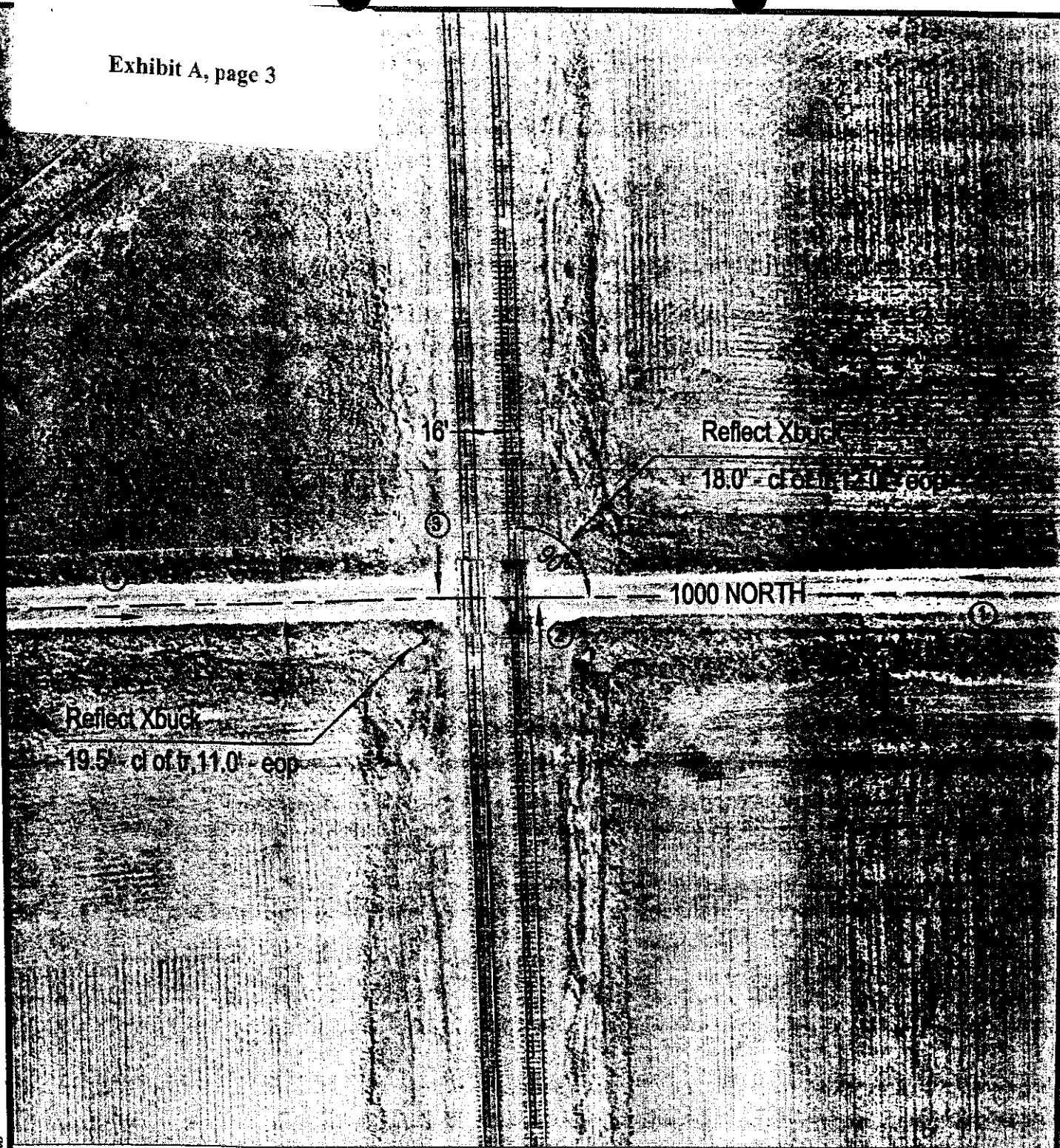
APPROACH GRADES: See Location Sketch

DIRECTION: WEST			DIRECTION: EAST		
DISTANCE (FT)	ELEVATION (FT)	GRADE (%)	DISTANCE (FT)	ELEVATION (FT)	GRADE (%)
25 feet	0.96 feet	3.84 %	25 feet	1.08 feet	4.32

Distance measured from outermost rail.

COMMENTS: See Page 3 for a Location Sketch (Aerial View) of the crossing.

At the time the survey of the subject crossing was made, there were no crops in the fields located adjacent to the crossing in all four quadrants. Due to the closeness of the agricultural fields to the crossing, and if corn were planted in any of the crossing quadrants, maturing corn would block the view of a motorist approaching the crossing of a train approaching the crossing from either direction on either track.



Crossing #: 167906V
 Location: Fayette Co., City of St. Peter (N)
 Lat/Long: 38°52'57" / 88°51'15"
 Railroad: UP
 Street: 1000 North
 Railroad Milepost: 234.28
 Crossing Protection: Signs

FAYETTE 167906V 167906V.DWG 02/28/01 15:53 R.B.

DATE: 2006-05-15

ESTIMATE OF MATERIAL AND FORCE ACCOUNT WORK
BY THE
UNION PACIFIC RAILROAD

DESCRIPTION OF WORK:

INSTALL LED FL SIGNALS W/GATES AND CMT IN NEW CABIN AT TR-511 IN
ST. PETER, IL. M.P. 234.67 ON THE SALEM SUB.
RAILROAD TO PERFORM ALL WORK / COST DISTRIBUTED AS FOLLOWS:
SIGNAL - FEDERAL GOVERNMENT 100% RECOLLECTIBLE

PID: 52454 AWO: 53643 MP, SUBDIV: 234.67, SALEM
SERVICE UNIT: 04 CITY: ST. PETER STATE: IL

DESCRIPTION	QTY	UNIT	LABOR	MATERIAL	RECOLL	UPRR	TOTAL
ENGINEERING WORK							
ENGINEERING			1661		1661		1661
LABOR ADDITIVE 103.45%			6078		6078		6078
SIG-HWY XNG			4215		4215		4215
TOTAL ENGINEERING			11954		11954		11954
SIGNAL WORK							
SIGNAL				59951	59951		59951
BILL PREP	900				900		900
CONTRACT				7104	7104		7104
CULVERT MATERIAL				2000	2000		2000
EARTH FILL/ROCK				10000	10000		10000
LABOR ADDITIVE 103.45%			24000		24000		24000
METER SERVICE				5000	5000		5000
PERSONAL EXPENSES				19500	19500		19500
SALES TAX				3746	3746		3746
SIG-HWY XNG			23199		23199		23199
CONTINGENCIES				17119	17119		17119
TRANSPORTATION CHARGES				3837	3837		3837
TOTAL SIGNAL			48099	128257	176356		176356
LABOR/MATERIAL EXPENSE			60053	128257			
RECOLLECTIBLE/UPRR EXPENSE					188310	0	188310
ESTIMATED PROJECT COST							188310
EXISTING REUSEABLE MATERIAL CREDIT					0		
SALVAGE NONUSEABLE MATERIAL CREDIT					0		
RECOLLECTIBLE LESS CREDITS							

THE ABOVE FIGURES ARE ESTIMATES ONLY AND SUBJECT TO FLUCTUATION. IN THE EVENT OF AN INCREASE OR DECREASE IN THE COST OR QUANTITY OF MATERIAL OR LABOR REQUIRED, UPRR WILL BILL FOR ACTUAL CONSTRUCTION COSTS AT THE CURRENT EFFECTIVE RATE.

FORM 30-1
WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

PAGE 04 MORE

RAILROAD: UPRR CO.
LOCATION: ST. PETER, IL, TR-511, SALEM SUB.
DEPARTMENT: ENGINEERING SERVICES

PROJ NO: 52454
A.W.O. NO: 53643
W.O. NO:
B.I. NO: 05EN10
STATE: IL
VAL SEC: 1121

STOCK MATERIAL PLAN

ITEM NUMBER	ITEM DESCRIPTION	UNIT COST	QTY	UM	DIRECT MATL \$
02040540	BATTERY, GNB, 75A13 OR 50A19	224.43	6	EA	1347
02040660	BATTERY, GNB, 75A23 OR 50A27	298.71	7	EA	2091
09011240	CABLE TIE, NYLON 1 1/8" MAX. DIA	0.02	200	EA	4
09011980	CABLE TIE, NYLON 3 1/2" MAX. DIA	0.12	20	EA	2
09014950	CIRCUIT BRKR, 120/240V 20A 2 POLE	14.19	1	EA	14
09015690	CIRCUIT BREAKER, 120/240V 30A AC	5.86	2	EA	12
09054360	RELAY, GEN. PURPOSE 120V. TAB 856	5.85	2	EA	12
09057650	SOCKET, P-B 27E122 TAB 836A & 856	1.94	2	EA	4
09065700	TAPE, ELECTRICAL PLASTIC	2.79	2	RL	6
09066900	TERMINAL, SPADE, 10-12 WIRE, #8 STUD	0.12	20	EA	2
09137100	TERM. LUG 3/16 CABLE-1/4 POST 2412	0.49	30	EA	15
09215100	33466 TERMINAL, RING TONGUE AMP	0.19	44	EA	8
09260350	TERMINAL, #16-14 #8 SPADE	0.06	35	EA	2
09261420	321524-1 TERMINAL, TEST 16-22 A	1.61	4	EA	6
09261570	321527-1 TERMINAL, TEST	1.53	15	EA	23
09401140	ADAPTER, 4 INCH CARLON PLASTIC	2.71	2	EA	5
09409820	BUSHING, 4" PLASTIC, INSULATING	0.79	2	EA	2
09424920	CONDUIT, 4", PVC, TYPE 40	2.27	50	LF	114
09467930	LOCKOUT, 4 INCH, GALVANIZED	5.16	2	EA	10
09602970	LAMP, HALOGEN, 10V, 25W	4.15	1	EA	4
09844170	GROUND ROD, 5/8 INCH X 8 FEET	5.67	11	EA	62
09846780	GRND. ROD CONN. 4WAY ONESHOT.	4.72	11	EA	52
09908640	WIRE, #6 AWG 1 COND. COPPER, SOLID	0.23	275	LF	63
09912200	WIRE #6 AWG 2 COND 500' ROLL SHIELD	1.36	500	LF	680
09913200	WIRE, #6, 5 COND 500' ROLL SHIELDED	2.32	500	LF	1160
09915610	WIRE #6 AWG 1 COND COPPER, STRAN	0.38	145	LF	55
09930550	WIRE #10 AWG 1 COND COPPER, STRAN	0.16	780	LF	125
09932310	WIRE #10 AWG 1 COND COPPER, TWIST	0.31	120	LF	37
09946100	WIRE #14, 7 COND 500' ROLL SHIELDE	1.06	500	LF	530
09960090	WIRE #16 AWG 1 COND COPPER, STRAN	0.11	650	LF	72
09976180	WIRE, #22, TW. PR. BELDEN #8761	0.07	20	LF	1
13547870	SHEET METAL SCREW, #10 X 1 INCH	1.26	1	EX	1
13552450	SHEET METAL SCREW, #12 X 3/4"	1.64	2	EX	3
13553150	SHEET METAL SCREW #12 X 1"	2.97	2	EX	6
17061400	PADLOCK, SIGNAL, WITHOUT KEY, AMERIC	14.04	8	EA	112
28033210	CARTON, 39 1/8"L X 23 1/4"W X 17	3.84	1	EA	4
28033230	CARTON, 47 3/8"L X 39 1/2"W X 18"	9.90	1	EA	10
28041880	PALLET, 48 X 40 INCH 2/WAY	8.41	2	EA	17
35040010	PLASTER OF PARIS, DENTAL GRADE	0.86	25	LB	22
39300710	SIGN, -2 TRACKS- MP STD PAGE 403.	17.85	2	EA	36

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

PROJ NO: 52454

A.W.O. NO: 53643

W.O. NO:

B.I. NO: 05EN10

STATE: IL

VAL 68C: 1121

RAILROAD: UPRR CO.

LOCATION: ST. PETER, IL, TR-511, SALEM SUB.

DEPARTMENT: ENGINEERING SERVICES

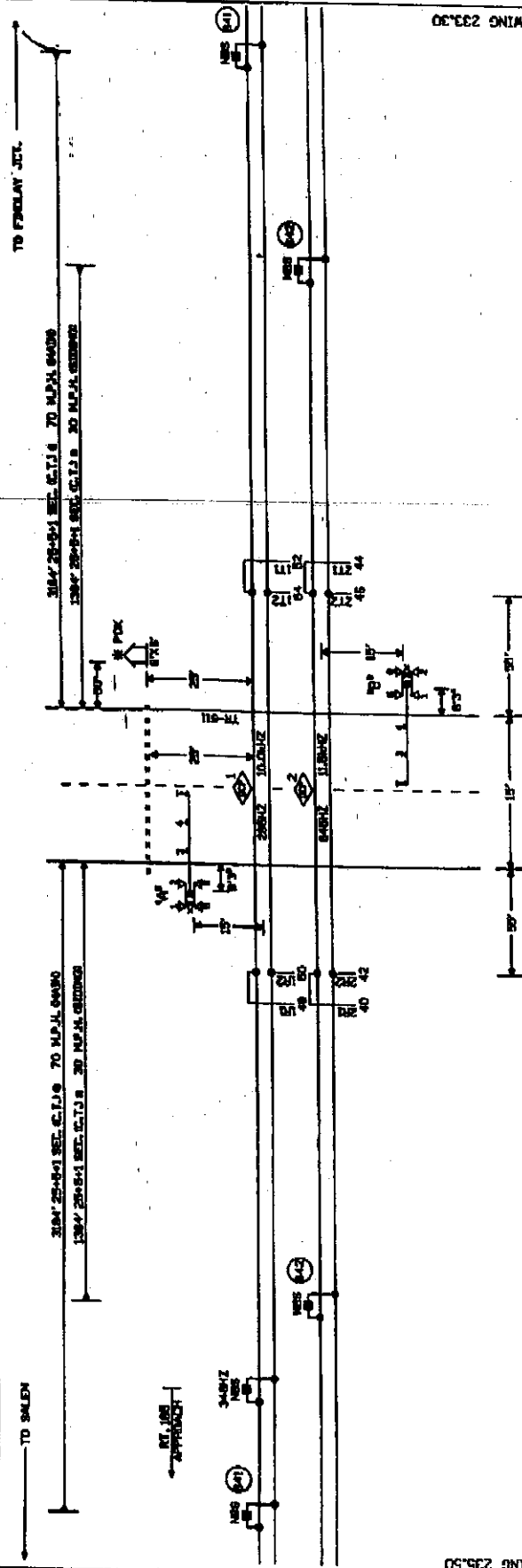
39340220 SIGN, HIGHWAY CROSSING	50.00	2 EA	100
39369480 SIGN MOUNTING KIT 5"	123.00	2 EA	246
52001370 SURGE PROTECTOR SP20-2A TAB 585	67.53	2 EA	135
52002060 SP26-6, SURGE PROTECTOR	97.26	2 EA	195
52003630 EXTENSION CORD - 12'	67.12	1 EA	67
52005690 BOND WIRE, 3 STRANDS	0.49	400 LF	196
52016830 WIRE DUCT, 2X3	8.44	9 EA	76
52016940 WIRE DUCT, 3X3	9.82	6 EA	59
52017510 WIRE DUCT COVER 2"X6'	1.84	9 EA	17
52017620 WIRE DUCT COVER 3"X6'	2.44	6 EA	15
52019530 ENCLOSURE, SHUNT, POLE MOUNTED. 24X2	158.53	4 EA	634
52019560 EQUALIZER, H.D. TAB 583	8.92	19 EA	169
52021550 FOUNDATION, 4', STEEL, FOR FLSHR/GAT	195.63	2 EA	391
52025240 HOUSE, 6X6, SIGNAL XING	4801.73	1 EA	4802
52027350 CLIP BOARD - FOR SIGNAL PRINTS	7.70	1 EA	8
52027430 STEP BOX	15.72	1 EA	16
52028420 LIGHTNING ARRESTOR, CLR-COMM TAB 3	6.77	30 EA	203
52029780 LIGHTNING ARR, HD TAB 582 W/O BASE	9.54	8 EA	76
52030010 LIGHTNING ARRESTOR CONN. STRIP	3.96	4 EA	16
52039210 RECTIFIER, 20EC, 12V. TAB 575	271.27	1 EA	271
52039390 RECTIFIER, 40EC, 12V. TAB 577	375.69	1 EA	376
52040460 RESISTOR, ADJ. 5 OHM, TAB 90	12.75	1 EA	13
52041200 RESISTANCE UNIT, ADJ. 10 OHM, TAB 9	23.28	1 EA	23
52042650 POST, MOUNTING, FOR SHUNT HOUSING	10.95	8 EA	88
52068650 TERMINAL, #6 - 5 WIRE - RING TYPE	0.16	55 EA	9
52070010 TERMINAL, #12-10 WIRE, RING TONGUE	0.08	300 EA	24
52071600 TERMINAL, #20-16 WIRE, RING TONGUE	0.07	150 EA	11
52072280 TERMINAL BLOCK, SIGNAL 2 POST BAK	2.25	62 EA	140
52072740 TERMINAL BLOCK, SIGNAL 12 POST 6	8.94	1 EA	9
52072960 TERMINAL BLOCK, SIGNAL 12 POST	6.93	4 EA	28
52074550 TEST LINK, INSULATED ASSEMBLY TAB	0.66	15 EA	10
52074660 SWITCH, MCKEEN TAB 82	13.90	1 EA	14
52079550 WIRE TAG, PLASTIC - WHITE	0.12	100 EA	12
52079560 MARKING PEN (FOR WHITE TAG)	1.95	1 EA	2
52092200 CRTU. W/CELENTRY TRANSCIVER	1711.00	1 EA	1711
52108120 LED FL/GATE ASSY. 2 WAY LIGHTS	7207.42	2 EA	14415
52109370 GATE ARM, ADJ. 16-32'	480.25	2 EA	961
52122140 HIGH WIND BRACKET 5" OR 4"	63.99	2 EA	128
52136470 SHEAR PIN, SK-1000-1	5.50	2 EA	11
52207100 GRD XING PREDICTR GCP 4000 2TK.WA	15768.00	1 EA	15768
52258590 NBS, TAB 641, 62775-1543	378.24	2 EA	756
52258850 NBS, TAB 642, 62775-3497	310.94	2 EA	622
52263600 SURGE ARRESTOR, METER LOOP.	28.47	1 EA	28
52263690 SURGE PANEL - TAB 619	130.73	1 EA	131
52264040 SURGE PANEL - TAB 618	196.14	1 EA	196
52267200 TRANSCIVER MODULE, FOR GCP 4000	3007.44	2 EA	6015

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

RAILROAD: UPRR CO.
LOCATION: ST. PETER, IL, TR-511, SALEM SUB.
DEPARTMENT: ENGINEERING SERVICES

PROJ NO: 52454
A.W.O. NO: 53643
W.O. NO:
B.I. NO: 05BN10
STATE: IL
VAL SEC: 1121

52276150 SS XING CONTROLLER MODULE FOR GCP	1698.97	2 EA	3398
53648010 INSULATING CAP & SHIELD ASSY.	2.00	4 EA	8
53903460 EPD 120/240TDPL SURGE PROTECTOR	251.06	1 EA	251
53954500 180429-000 BOOTLEG KIT	46.66	8 EA	373
TOTAL			59,954



CONNECTS TO DRAWING 235.30

CONNECTS TO DRAWING 233.30

CONSTRUCTION NOTES:

1. FIELD VERIFY FREQUENCY AT RT. 100.
2. CABLE ON WEST SIDE OF TRACKS TO BE EXTENDED FOR GATE W/ FOUNDATION PLACEMENT.

NOTES:

- ① INSULATED WIRES
- INSULATED 1 INCH PER FT.
- ALL TRACK WIRES 25' 4"
- TRANSMITTER AND RECEIVER LEADS
- TO BE SEPARATED BY AT LEAST 12" IN TRENCH
- LENGTHS SHOULD NOT EXCEED MANUFACTURER'S
- RECOMMENDATION
- TIP OF FOUNDATION TO BE AT SAME ELEVATION
- AS THE SURFACE OF THE GROUND
- ALL BENCH MARKS TO BE 412 AND FLEX
- UNLESS OTHERWISE SPECIFIED EXCEPT ALL GROUND
- WIRES TO BE 1/2" AND FLEX OR LARGER
- ALL WIRING IN GATE NEIGHBOR TO BE 1/2" AND FLEX
- REFER TO UP STANDARD DND FOR BUREAU OF ORIGINATING
- ALL LIGHTS TO BE 12" ROUND
- ***** 4" X 30' CONDUIT
- LIGHTS: LED LIGHTS
- GATE A 10'
- GATE B 10'
- W = BELL
- CIRCUIT CELL METRY



ST. PETER, ILLINOIS
TR-01
MAY 23, 1947
SALEM SUBDIVISION
D.O.T. 1-187 '50B

NEW SHEET

UNION PACIFIC RAILROAD
FINLAY JCT., ILLINOIS
TO SALEM, ILLINOIS
C.T.C. CIRCUITS

DATE	BY	CHKD	APP'D
05-10-48	J.A.	J.A.	J.A.
05-10-48	J.A.	J.A.	J.A.
05-10-48	J.A.	J.A.	J.A.

DATE	BY	CHKD	APP'D
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05-10-48	J.A.	J.A.	J.A.

S-301



Project Union Pacific RR
Crossing Approach Roadway
Route TR511 L. Grove Rd Dist
Section 05-07129-00-AS

For a total distance of 480' Net improvement of _____

Type Aggregate Width 18' Thickness 8"

Shoulders 2' Earth Average haul _____ Maximum Grade _____

Made by MRQ Date 10/4/2005 Examined _____, _____
Check by _____ Date _____ District Engineer